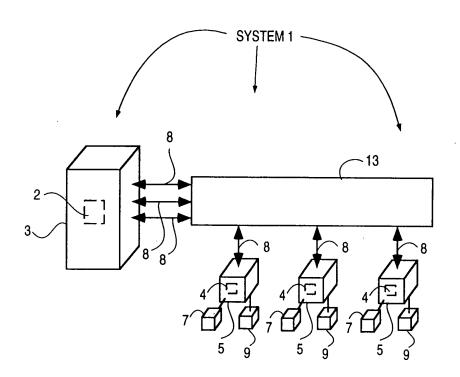
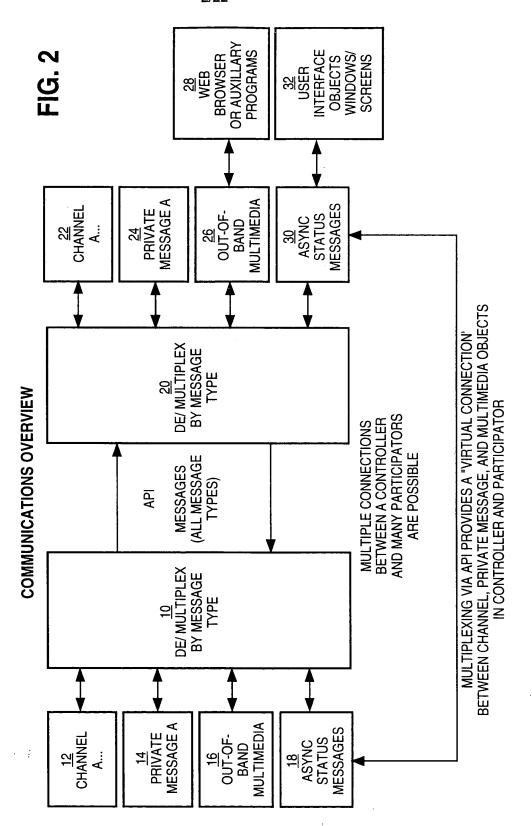
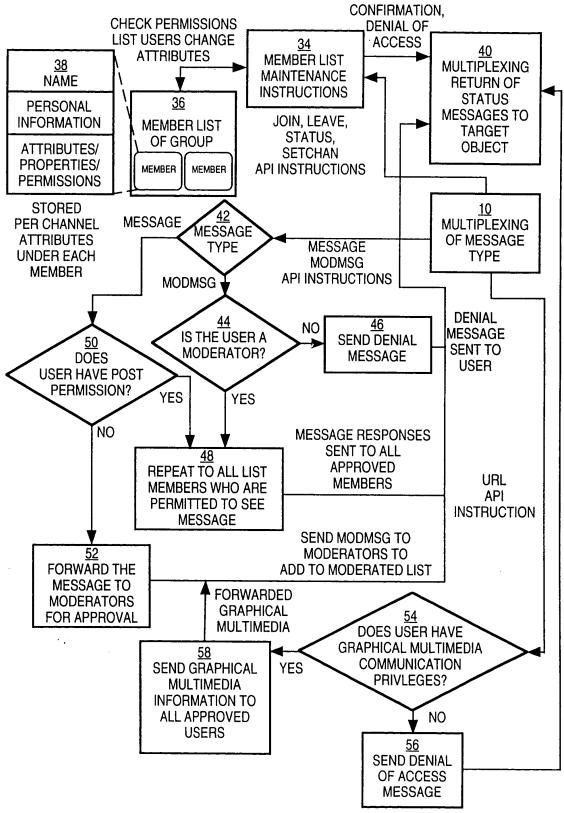
FIG. 1





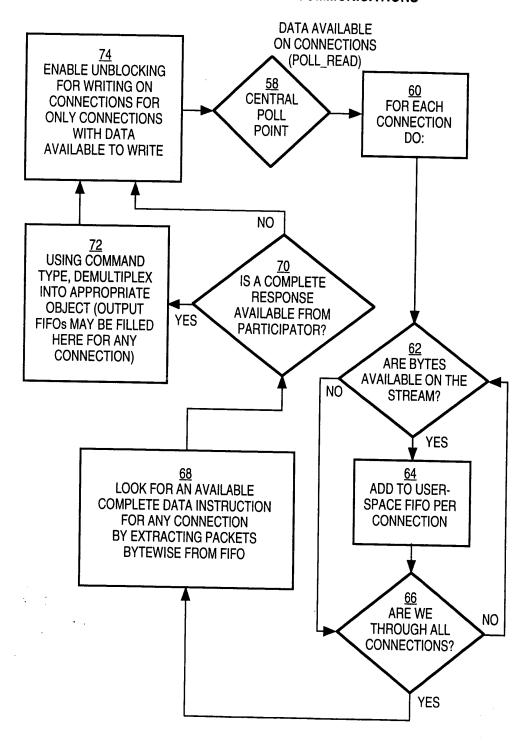
4

JAZ2
DATA AND COMMUNICATIONS
DEPENDENCY DIAGRAM CONTROLLER
GROUP CHANNEL STRUCTURE



: :=:

FIG. 4
CENTRAL CONTROLLER LOOP COMMUNICATIONS



CLIENT CHANNEL DATA STRUCTURE AND INFORMATION FLOW DIAGRAM

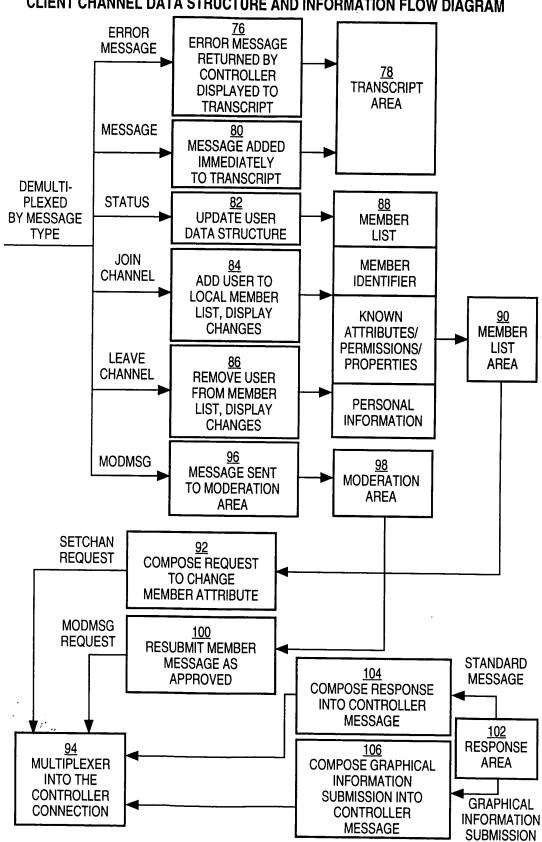


FIG. 6

PARTICIPATION SOFTWARE OUT-OF-BAND MULTIMEDIA OUT-OF-BAND MULTIMEDIA INFORMATION FLOW DIAGRAM

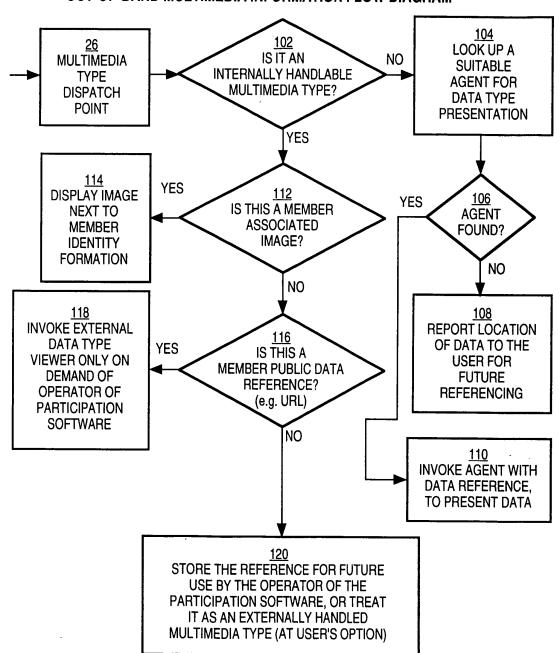


FIG. 7

🖱 Enter Logi	n/Password for goose.ais.net□X
Identifier:	DMARKS
Password:	*****
	Login to Chat
	Register for Account
Untrusted Java App	let Window

FIG. 8

△ Access Granted	
You are granted access with identifier DMARKS	
Click Here	
Untrusted Java Applet Window	

FIG. 9

	thannel List goose:als.net	<u> </u>
File	Maintenance	
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Untr	usted Java Applet Window	

FIG. 10

New Channel	_ O X
TEOTOL	ANNEL
New Channel Name: TESTCH	ANNEL
` <i>.</i> •	
I Interceted James Armiet Minder	
Untrusted Java Applet Window	

FIG. 11

O CI	annelTESTCHANNEL		
File	Moderator		
			DMARKS-MWU D
		Ш	
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<u>a</u>		Ť	
Untrus	ted Java Applet Window		

FIG. 12

è CI	annel TESTCHANNEL	
File	Moderator	
বা		DMARKS-MWU D ME-MWU Me.
<u> </u>		J
Untru	sted Java Applet Window	

FIG. 13

O Channel TESTCHANNEL.	_ OX
File Moderator	
DMARKS: hello there	DMARKS-MWU D ME-MWU Me.
Untrusted Java Applet Window	

FIG. 14

Channel TESTCHANNEL	
File Moderator	
DMARKS: hello there	DMARKS-MWU D
Me: hi there	ME-MWU Me.
	_
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	\dashv
	<u> </u>
Understand Laws Appoint Millington	
Untrusted Java Applet Window	

FIG. 15

© Private Messages to ME	
File	
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	· ▼
this message is seen by only the user ME	
Untrusted Java Applet Window	

FIG. 16

Private Messages to ME	
File	
To ME: this message is seen by only ME ME: This is the private message response that is only seen by the user DMARKS	
4	
Intrusted Java Applet Window	_]
Untrusted Java Applet Window	

O C					
File	Moderator				
DMA	Send URL		Δ	DMARKS-M	WU D
ME:	Toggle Moderator		\dashv	ME-MWU	Me.
	Toggle Write		႕		
	Toggle URL	-	ᅱ		
	Toggle Banned		\dashv		
	Moderator Window		ᅥ		
			\exists		
			╛		
বা⊤		a a a a a a a a a a a a a a a a a a a 	7		
<u> </u>]
Untru	sted Java Applet Window				

Channel TESTCHANNEL File Moderator		
DMARKS: hello there ME: hi there	4	DMARKS-MWU D ME-MWU Me.
Untrusted Java Applet Window	<u>Σ</u>	

	nannel List goos	a.als.net	
File	Maintenance		
TEST	TCH ANNEL - PJT	-	
Untru	sted Java Applet Windo	w	

	iannel List goose als	
File	Maintenance	
TEST	Property Editor	
1 201	Toggle All Posting	
	Toggle All Joining	
	Toggle Transcript	
Untrus	ted Java Applet Window	

FIG. 21

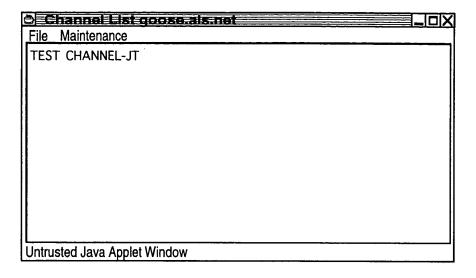


FIG. 22

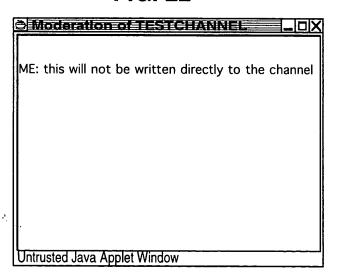


FIG. 23

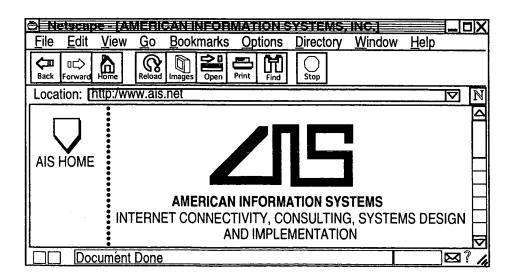
	hannel TEST CHANNEL
File	Moderator
ME:	this will not be written directly to the channel DMARKS-MWU D ME-MWU Me.
বা	
Untro	sted Java Applet Window

FIG. 24

🖰 Cha	MINDETEST CHANNE		
File I	Moderator		
ME: this	Send URL Toggle Moderator Toggle Write Toggle URL Toggle Banned Moderator Window	y to the channel	DMARKS-MWU D ME-MWU Me.
	w.ais.net d Java Applet Window		▼

Channel TESTCHANNEL File Moderator	
ME: this will not be written directly to the channel URL DMARKS: http://www.ais.net	DMARKS-MWU ME-MWU Me.
	, <u>H</u>
Untrusted Java Applet Window	

FIG. 26



Ö Property Editor□X					
Identifier:	DMARKS				
Property:	FAX				
Value:	312-255-8501				
New Value:	312-555-1212				
	Put away Property Editor				
Untrusted Java Applet Window					

FIG. 28

Telnet	engle:ais:m	et□×
Connect E	dit <u>T</u> erminal	<u>H</u> elp
Туре		ster For a Login if you have one.
Login: Password	<u>.</u>	Enter Login and Password here at the prompt or type CTL-A for help. To sign up for a
Name:		new account, press Control-B. Press Ctl-Q to quit.

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à Teinet-eagle:ais.net	X
<u>C</u> onnect <u>E</u> dit <u>T</u> erminal <u>H</u> elp	
CHANNEL LIST	DMARKS ME
TEST CHANNEL-JPT 1 ""	
·	Select the channel you wish to join using the up and down arrow keys and then press ENTER.
	Type CTL-A for help
New Channel:	

o Telne	t - ea	gle.ais.m	<u> E</u>		_OX
<u>C</u> onnect	<u>E</u> dit	<u>T</u> erminal	<u>H</u> elp		
				MWU DMARK MWU ME "Me.'	
				! 	
,				j I	
				↓ Type what yo	ou wish
				to say on the channel and ENTER. Pres	
· ,				to change cha	annels.
* 11 s				Type TAB, ar the arrow ke	ys to
				see who is or channel. Pre	
Channe	l: TES	STCHANN	EL	CTL-P for properties messages.	ivate
				i incssages.	

Telnet eagle ais.ne	_IOX
<u>C</u> onnect <u>E</u> dit <u>T</u> erminal	elp
	MWU DMARKS "Daniel MWU ME "Me."
	Type what you wish to say on the channel and press ENTER. Press CTL-L to change channels. Type TAB, and press the arrow keys to
DMARKS: hello there Channel: TESTCHANNE hi there ■	see who is on the channel. Press CTL-P for private messages.

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∃ Telnet - eagle ais net		_ OX
<u>Connect</u> <u>Edit</u> <u>Terminal</u>	<u>H</u> elp	
		MWU DMARKS "Daniel MWU ME "Me."
DMARKS: hello there ME: hi there Private message from DMA to see it)Channel: TESTCHANNE	•	Type what you wish to say on the channel and press ENTER. Press CTL-L to change channels. Type TAB, and press the arrow keys to see who is on the channel. Press CTL-P for private messages.

Teinet eagle.ais.net	_IOIX
<u>Connect</u> <u>E</u> dit <u>T</u> erminal	olp
	DMARKS ME
DMARKS: this message isChannel: TESTCHANI This is the private message seen by the user DMARKS	· <u>*</u>

FIG. 34

ĕ Telnet-eagle.ais	.net	
<u>Connect</u> <u>E</u> dit <u>T</u> ermina	ıl <u>H</u> elp	
ME: hi there	DMARKS: hello there DMARKS (press CTRL-:	*DMARKS "Daniel Marks ME "Me." Type what you wish to say on the channel and press ENTER. Press CTL-L to change channels. Type TAB, and press the arow keys to see who is on the channel. Press CTL-P for private messages.